

WEEKLY CROP-WEATHER

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MINNESOTA AGRICULTURAL STATISTICS SERVICE IN COOPERATION WITH THE NATIONAL WEATHER SERVICE  
TWIN CITIES INT'L AIRPORT, UNIV. OF MINN. EXTENSION SERVICE, AND STATE CLIMATOLOGY, DNR

HOT, HUMID AND STORMY

Hot and humid temperatures arrived throughout the state, according to the Minnesota Agricultural Statistics Service. Most areas of the state received some precipitation. Localized severe storms hit the southern two-thirds of the state, bringing strong winds and hail that damaged some crops. The Northwest District continues to have widespread surplus topsoil moisture, and some fields still have standing water. Crops are generally developing quickly, but conditions remain highly varied across counties due to extreme weather conditions earlier in the growing season.

Corn height averages 47 inches, compared with 46 inches this time last year. The 5-year average is 43 inches. Tasseling has begun on 4% of the acres, the same as this time last year, and slightly behind the 5-year average of 6%. Corn condition is rated as 73% good to excellent.

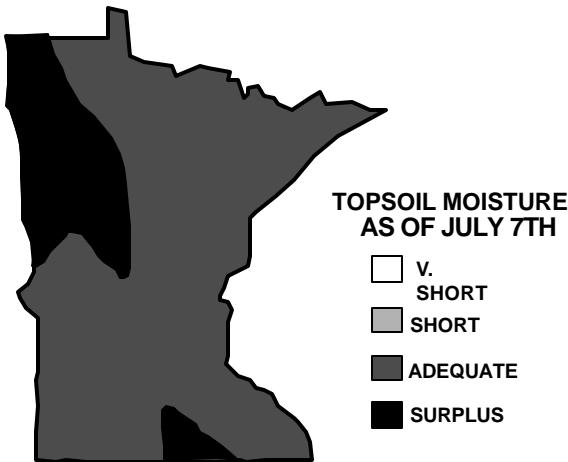
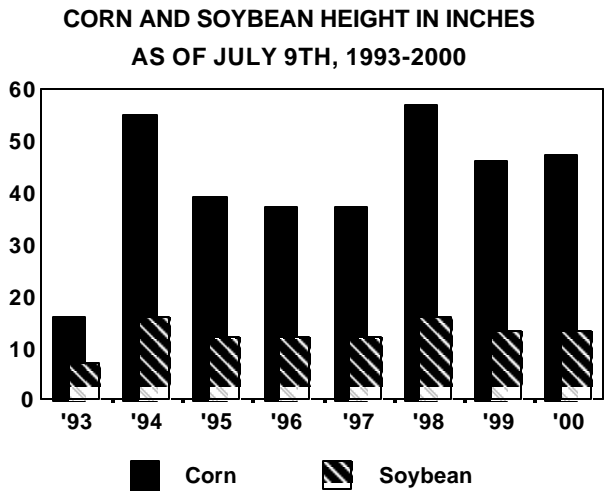
Average soybean height is 13 inches, the same as a year ago and the 5-year average. Soybeans are 26% blooming, versus 19% for last year and the 5-year average of 15%. Soybean condition is rated as 62% good to excellent.

Spring wheat is heading on 96% of the acres, compared to 79% last year and 74% for the 5-year average. Spring wheat is 9% turning ripe, versus 7% for the 5-year average. Oats are 30% turning ripe; barley 11%. Spring wheat conditions are rated as 66% good to excellent.

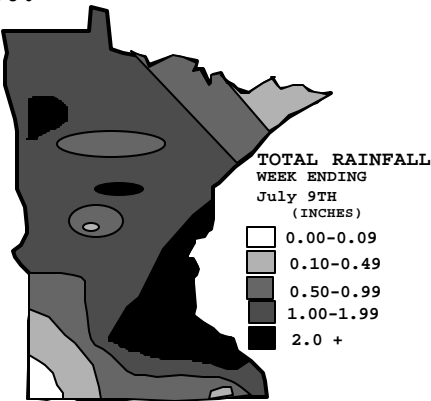
Topsoil moisture conditions across the state were rated 0% very short, 3% short, 77% adequate, and 20% surplus as of Friday.

Days Suitable for Fieldwork: 3.6					
		Very Short	Short	Adequate	Surplus
Topsoil Moisture (%)		0	3	77	20
Crop Progress as of July 9, 2000					
Crop	Stage of Development	5 Yr Avg	Last Year	Last Week	This Week
-----Percent-----					
Corn	Height-inches	43	46	34	47
	Tasseling	6	4	0	4
Soybeans	Height-inches	13	13	10	13
	Blooming	15	19	4	26
Spring Wheat	Heading	74	79	83	96
	Turning ripe	7	9	1	9
Barley	Heading	68	66	82	95
	Turning ripe	5	6	1	11
Oats	Heading	87	85	82	96
	Turning ripe	15	18	5	30
Crop Condition as of July 7th in %					
	V.Poor	Poor	Fair	Good	Exc.
Pasture	0	3	20	63	14
Barley	1	15	17	50	17
Spring Wheat	1	13	20	50	16
Oats	0	2	17	61	20
Corn	0	3	24	54	19
Soybeans	1	6	31	50	12
Dry Beans	11	10	31	35	13
Potatoes	10	11	21	31	27
Sunflowers	2	6	25	54	13
Canola	0	1	15	56	28
Sugarbeets	1	4	23	45	27

Height in Inches as of July 7th								
CROP	NW	NC	WC	CENT	EC	SW	SC	SE
Corn	21	25	41	47	33	43	46	45
Soybean	9	9	13	14	10	12	12	13



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING JULY 9,2000:  
Temperatures averaged from 0.7 degree below normal in the Northeast District to 4.9 degrees above normal in the Southwest District. Extremes: 45° in Grand Marais; 97° in Browns Valley and Canby. Precipitation averaged from 0.08 inch below normal in the North Central District to 2.52 inches above normal in the East Central District. Greatest weekly total was 8.02 inches.



Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum to 50 degrees.

Precipitation and Temperature Summary for 07/03/2000 through 07/09/2000

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	Four Weeks	From Norm Since 4/1	Since Apr 28	Depart from Norm
<u>NW DIST 1</u>										
Crookston	84	56	69.8	.9	2.35	1.67	4.88	1.93	899	-24
Moorhead	85	59	72.6	2.4	1.83	1.20	10.14	9.52	955	-24
Warroad	85	53	69.1	2.5	1.02	.20	3.72	2.59	744	-35
<u>NC DIST 2</u>										
Grand Rapids	89	50	68.4	1.8	.64	-.29	.89	.59	856	59
Intl. Falls	83	49	66.6	.6	.89	.01	.24	.58	727	-40
Itasca	83	54	66.8	.0	.86	.02	2.54	.57	798	-4
<u>NE DIST 3</u>										
Duluth	85	50	63.1	-2.0	1.93	1.10	3.14	1.01	653	-20
Grand Marais	88	45	57.6	-1.9	.23	-.54	.55	-1.80	298	-161
Hibbing	85	50	66.8	1.9	1.31	.42	.74	.86	759	51
<u>WC DIST 4</u>										
Alexandria	89	57	72.5	1.9	.43	-.32	-1.67	-3.11	914	-74
Browns Valley	97	63	76.5	5.2	1.08	.34	1.27	-1.08	1021	2
Canby	97	63	77.9	4.7	.82	-.07	.10	2.06	1128	11
Fergus Falls	89	60	74.2	4.5	1.60	.81	.71	.90	992	37
Montevideo	94	58	75.8	3.9	.41	-.34	-.99	.41	1098	16
Morris	93	54	72.4	2.3	1.63	.83	1.58	1.19	1036	49
<u>CENT DIST 5</u>										
Becker	92	57	72.6	3.1	2.28	1.36	1.61	-1.08	1044	96
Hutchinson	94	58	76.6	4.7	3.70	2.86	3.00	2.96	1198	124
Olivia	93	59	73.5	.9	1.88	1.06	.81	1.77	1090	-26
St. Cloud	92	55	72.4	3.0	1.07	.30	-.55	-2.99	980	40
Staples	84	54	70.6	2.6	2.63	1.70	2.97	1.91	884	7
Willmar	93	57	73.1	1.9	1.49	.59	1.05	-.43	1045	-5
<u>EC DIST 6</u>										
Aitkin	84	50	64.6	-2.9	1.38	.43	1.16	1.80	810	-30
Cambridge	88	55	69.5	-.1	3.90	2.98	2.46	1.67	893	-62
MSP Airport	93	62	74.0	1.0	3.84	3.01	3.74	3.84	1122	9
St. Paul - UofM	93	60	74.0	.9	4.62	3.66	3.53	2.65	1175	2
<u>SW DIST 7</u>										
Lamberton	94	63	76.2	4.2	.42	-.46	.06	1.40	1126	18
Pipestone	96	63	77.6	6.8	.05	-.78	-2.15	2.34	1087	71
Redwood Falls	96	61	77.2	3.8	2.40	1.46	1.51	2.81	1170	-10
Worthington	95	64	76.8	5.6	.36	-.43	-.50	.81	1108	65
<u>SC DIST 8</u>										
Faribault	92	57	72.7	1.4	2.54	1.61	4.03	6.65	1063	13
Waseca	92	64	74.0	3.1	3.24	2.28	4.16	7.74	1141	89
Winnebago	90	63	73.8	2.2	.72	-.26	.31	4.58	1141	63
<u>SE DIST 9</u>										
Preston	90	61	72.3	2.4	.11	-.85	2.39	8.52	1088	110
Red Wing	94	65	74.2	4.7	3.37	2.36	3.36	3.54	1077	144
Rochester	88	62	72.2	1.7	3.57	2.62	7.27	14.27	1031	21
Rosemount	91	63	72.6	.7	8.02	7.08	6.81	6.38	1107	15
Winona	95	65	75.1	2.8	1.33	.41	1.88	4.48	1181	105

m=some data missing

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